

Faculty	Management and Social Science	
Department	Economics	
Course Title	Applied Statistics	
Year of Study	1	
Course Code	ECN 212	
Credit Hours	2	
Contact Hours	30	
Mode of Delivery	Classroom Lectures	
Mode of Assessment		Weight
Continuous Assessment		30%
Final Examination		70%
Total		100%
Course Lecturer	Dr. O.J. Omokanmi	
Course Description	Applied Statistics involves the application of statistical techniques in gathering and analyzing data from which inferences can be made on different economic issues and scenarios. It involves topics such as sampling and sampling techniques, hypotheses testing. T-Statistics and Z-Statistics, Chi-Square Statistics etc	
Course Objectives	<p>This course would enable the understanding of the following:</p> <ol style="list-style-type: none"> 1. Sampling and Sampling Techniques 2. Hypothesis testing 3. Difference between means when sample size is small 4. Difference between means sample size is large 5. Difference between proportions when sample size is small 6. Difference between proportions when sample size is large 7. Chi-Square statistics 8. Trend Analysis 9. Forecasting 	
Learning Outcomes	<p>By the end of the course, students will be able to:</p> <ol style="list-style-type: none"> 1. Conduct Sampling and determine Sampling Techniques 2. Conducting hypothesis testing 3. Conduct difference between means when sample size is small 4. Execute difference between means sample size is large 5. Execute difference between proportions when sample size is small 6. Carry out difference between proportions when sample size is large 	

	7. Conduct Chi-Square statistics 8. Execute trend Analysis 9. Conduct Forecasting analysis	
Teaching and Learning	The class will meet for two hours every week for a combination of both the lecture hours and tutorials.	
Detailed Course Content		
	Course Content Sequencing	
Weeks	Detailed Course Outline	Allocated Time
Week 1	1. Conduct Sampling and determine Sampling Techniques <ul style="list-style-type: none"> • Probability Sampling • Non Probability Sampling 	
Week 2	2. Conducting hypothesis testing <ul style="list-style-type: none"> • One- tail and two-tail test • Level of Significance 	
Week 3,4	3. Conduct difference between means when sample size is small	
Week ,5	4. Execute difference between means sample size is large	
Week 6	5. Execute difference between proportions when sample size is small	
Week 7, 8	6. Carry out difference between proportions when sample size is large	
Weeks 9,	7. Conduct Chi-Square statistics	

Week 10	8. Execute Trend Analysis	
Week 11	9. Conduct Forecasting analysis	
12	Revision	
13,14	Examination	
<p>Recommended Reading Material</p> <p>Oyenyi, T.A. (2010). Statistical techniques for Social and Behavioural Scientists. Cedar Publications inc,</p>		